

Comparisons of Job Characteristics

Focus Occupation: [Emergency Medical Technicians and Paramedics \(29-2041\)](#)
Associated Occupation: [Cardiovascular Technologists and Technicians \(29-2031\)](#)

[Compare Knowledge](#)
[Compare Skills](#)
[Compare Abilities](#)
[Compare Detailed Work Activities](#)
[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Emergency Medical Technicians and Paramedics (29-2041)
Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|--|
| Customer and Personal Service | 11.3 | 18.0 | 21.0 | > Current knowledge level is likely sufficient |
| Medicine and Dentistry | 3.7 | 17.4 | 16.4 | 0 Current knowledge level may be sufficient |
| Biology | 3.7 | 9.9 | 7.0 | << Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Emergency Medical Technicians and Paramedics (29-2041)
Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Monitoring | 9.9 | 11.6 | 10.6 | 0 Current skill level may be sufficient |
| Science | 4.5 | 10.6 | 11.1 | 0 Current skill level may be sufficient |
| Service Orientation | 7.9 | 10.5 | 11.9 | > Skill level is likely sufficient |
| Operation Monitoring | 6.6 | 10.1 | 9.1 | < A higher skill level may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Emergency Medical Technicians and Paramedics (29-2041)
Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|---|---|
| Problem Sensitivity | 11.1 | 14.8 | 12.8 | < | Some improvement in abilities may be required |
| Oral Comprehension | 12.5 | 13.7 | 13.5 | 0 | Current ability level may be sufficient |
| Oral Expression | 12.4 | 13.6 | 11.9 | < | Some improvement in abilities may be required |
| Near Vision | 11.1 | 11.4 | 11.2 | 0 | Current ability level may be sufficient |
| Written Comprehension | 11.0 | 11.1 | 10.1 | 0 | Current ability level may be sufficient |
| Information Ordering | 9.9 | 11.0 | 10.8 | 0 | Current ability level may be sufficient |
| Deductive Reasoning | 10.6 | 10.7 | 11.6 | 0 | Current ability level may be sufficient |
| Inductive Reasoning | 10.2 | 10.7 | 11.6 | 0 | Current ability level may be sufficient |
| Written Expression | 9.8 | 10.7 | 8.7 | < | Some improvement in abilities may be required |
| Selective Attention | 8.7 | 10.0 | 9.2 | 0 | Current ability level may be sufficient |
| Perceptual Speed | 7.4 | 9.7 | 11.0 | > | Current ability level is likely sufficient |
| Time Sharing | 6.6 | 8.0 | 9.1 | > | Current ability level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Emergency Medical Technicians and Paramedics (29-2041)
Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)

| Work Activities | Exclusivity of Activity |
|---|-------------------------|
| Administer injections | 60 |
| Administer medications or treatments | 46 |
| Communicate technical information | 4 |
| Follow infectious materials procedures | 52 |
| Follow patient care procedures | 60 |
| Inventory medical supplies or instruments | 67 |
| Make presentations on health or medical issues | 50 |
| Observe patient condition | 48 |
| Prepare patient reports | 66 |
| Record medical history or data | 68 |
| Take vital signs | 56 |
| Understand technical operating, service or repair manuals | 6 |
| Use emergency medical procedures | 64 |
| Use hazardous materials information | 35 |
| Use knowledge of medical terminology | 40 |
| Use sanitation practices in health care settings | 48 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 68

Focus Occupation: Emergency Medical Technicians and Paramedics (29-2041)
Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Acute care monitoring units and related products | 22 |
| Blood pressure units and related products | 11 |
| Cardiac pacemakers and related products | 43 |
| Computers | 1 |
| Data management and query software | 1 |
| Electrocardiography EKG units and related products | 20 |
| Emergency medical services resuscitation products | 15 |
| Industry specific software | 1 |
| Injection and aspiration needles and accessories | 25 |
| Intravenous and arterial cannulas and catheters and accessories | 29 |
| Intravenous and arterial tubing and administration sets and related products | 22 |
| Oxygen therapy delivery systems and devices | 13 |
| Patient point of care testing supplies and equipment | 23 |
| Pulse oximeters | 18 |
| Specimen collection and transport containers and supplies | 14 |
| Stethoscopes and related products | 14 |
| Syringes and accessories | 14 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.